

AMERICAN INSTITUTE

JUN 15 1964

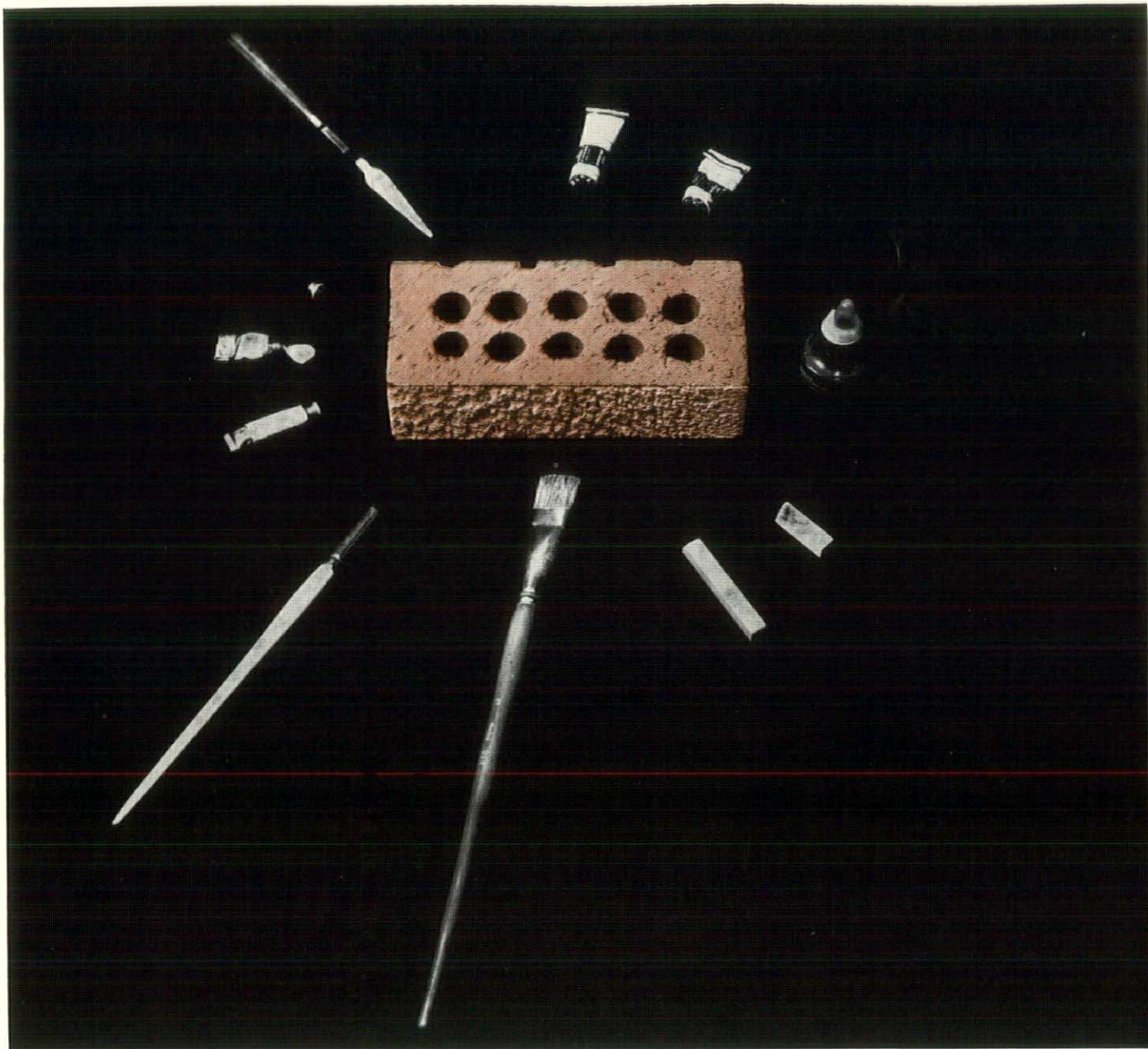
LIBRARY

michigan society of architects

BULLETIN



june 1964 50¢



TEBCO face brick belongs among the media for masterpieces

• 37 Colors • 4 Textures • 4 Sizes • 592 Possible Combinations

Tebco Face Brick provides complete freedom of architectural expression... and million-brick-a-week production assures dependable supply and consistency of tone and texture! Write today for full-color Tebco catalog



THE EVANS BRICK COMPANY

General Offices: Uhrichsville, Ohio 44683 • Telephone: WALnut 2-4210 • Sales Representatives: Cleveland, Ohio • Detroit, Mich. • Philadelphia, Pa. • Pittsburgh, Pa. • Columbus, Ohio • Toledo, Ohio • Grand Rapids, Mich. • Fairmont, W. Va.



Evans is one of the nation's largest producers of Brick, Clay Pipe, Clay Flue Lining, Wall Coping, Plastic Pipe, and Construction Materials. Over 50 years of faster, friendlier service.

BULLETIN

monthly

michigan society of architects june 1964

THE MONTHLY BULLETIN IS PUBLISHED FOR THE MICHIGAN SOCIETY OF ARCHITECTS TO ADVANCE THE PROFESSION OF ARCHITECTURE IN THE STATE OF MICHIGAN.

EDITOR—James B. Hughes, AIA

ASSISTANT EDITOR—Ann Stacy

ART DIRECTOR—Edward Hutcheson

GRAPHIC ARTS CONSULTANT—Gary R. Grout

Ann Arbor Press

ADVERTISING DIRECTOR—Charles O. Irvine

CHAPTER ASSOCIATE EDITORS

Detroit . . . Wallace Cleland, AIA

Flint Area . . . Dale A. Suomela, AIA

Grand Valley . . . Jay H. Volkers, AIA

Huron Valley . . . Henry S. Kowalewski, AIA

Mid-Michigan . . . John E. Crouse, AIA

Northern Michigan . . . Richard H. Greenless, AIA

Saginaw Valley . . . William Stenglein, AIA

Western Michigan . . . Donald W. Stearns, AIA

MSA BOARD LIAISON . . . George W. Sprau, AIA

EDITORIAL CONSULTANT . . . Nancy M. Houston

Monthly Bulletin, Michigan Society of Architects, the official publication of the Society; all Michigan Chapters of the American Institute of Architects; Women's Architectural League of Detroit (WALD); Producers Council, Inc., Michigan Chapter; Builders & Traders Exchanges of Detroit, Grand Rapids and Lansing is published monthly by the Michigan Architectural Foundation; Editorial and Advertising Offices—28 West Adams, Detroit 26, Michigan, Phone: 965-4100.

Volume 39—No. 6

3 How to Design a Painless Auditorium, by Lilian Jackson Braun

5 News

11 Recent Work by Ralph R. Calder & Associates

19 Producers Council

20 Calendar

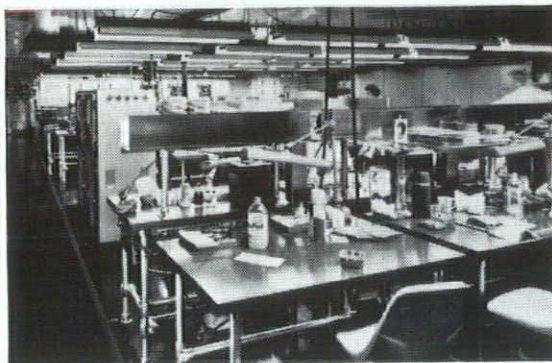
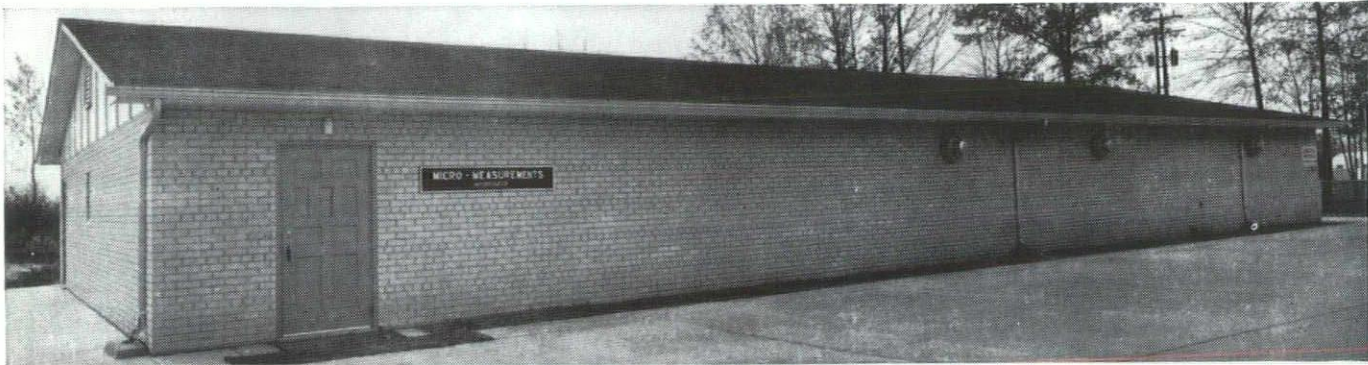
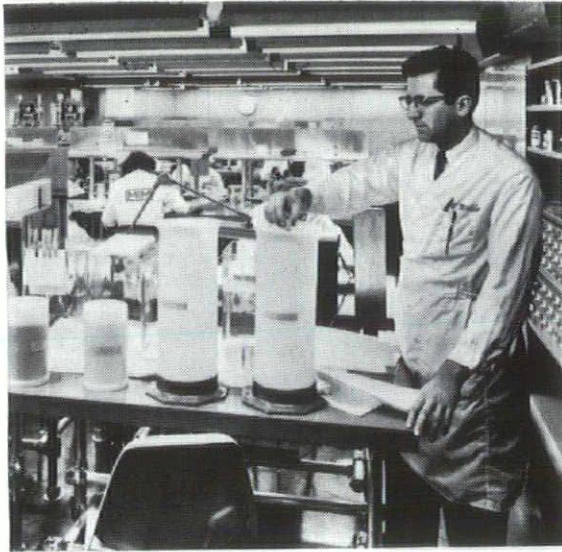
Advertisers Index

Classified

21st ANNUAL MID-SUMMER CONFERENCE

*The Michigan Society of Architects
invites you to visit beautiful Mackinac Island
for its annual conference*

See the July Issue
Monthly Bulletin
for detailed information



PRECISION INSTRUMENT FIRM NEEDS EXACT CLIMATE CONTROL ... GETS IT ELECTRICALLY!

Absolute temperature control is essential at Micro-Measurements, Inc. That's why the company, manufacturer of precision strain gages for the automobile, aircraft and missile industries chose electric heat. With electric heat, temperature is easily and accurately controlled. At the same time, air changes in the building are kept within controllable, cleanable limits—an important feature in the near-sterile conditions needed here. Duct heaters maintain a constant temperature of 76 degrees during the heating season. In summer, electric

air conditioning keeps the temperature at the same 76 degrees. Constructed to Edison recommendations, the Romulus plant has performed to the complete satisfaction of the owner.

What about you? Before you decide on any heating system for a new or modernized building or addition, talk to an Edison Electric Heating Specialist about the many advantages of flameless electric heat. For more information just call WO 2-2100, ext. 2223 in Metropolitan Detroit. Elsewhere call your Edison office. **EDISON**



How to Design a Painless Auditorium

or

Portrait of the Architect in a Leotard

by Lilian Jackson Braun

Honorary Member, Detroit Chapter, AIA,

Member, Committee, Michigan Council for the Arts

So you're going to design a multi-use auditorium! Here's a practical way to begin:

- 1—Remove your shoes.
- 2—Select a good solid concrete floor.
- 3—Run, jump, hop, skip and leap for two hours.
- 4—Note pains in back and thigh muscles. They will tell you something vital about the construction of an auditorium stage that is to be used by concert dancers.

The multi-use auditorium you design (and let us hope it has a resilient hardwood stage) will most certainly be used for dance performances. There is a strong public demand for more ballet, modern and ethnic dancing, and the number of dance organizations is increasing. According to the Dance Committee of the Michigan Council for the Arts, there are more local performing groups and professional touring companies than Michigan auditoriums can suitably accommodate.

Many existing auditoriums lack the essentials that make them suitable for dance performances: resilient stage, back-stage circulation, flexible lighting, accessible dressing rooms. These requirements, necessary for dance, make an auditorium efficient for other types of productions as well.

As an aid to the architect planning a multi-use auditorium, the Dance Committee of the Council here volunteers the dancer's point of view:

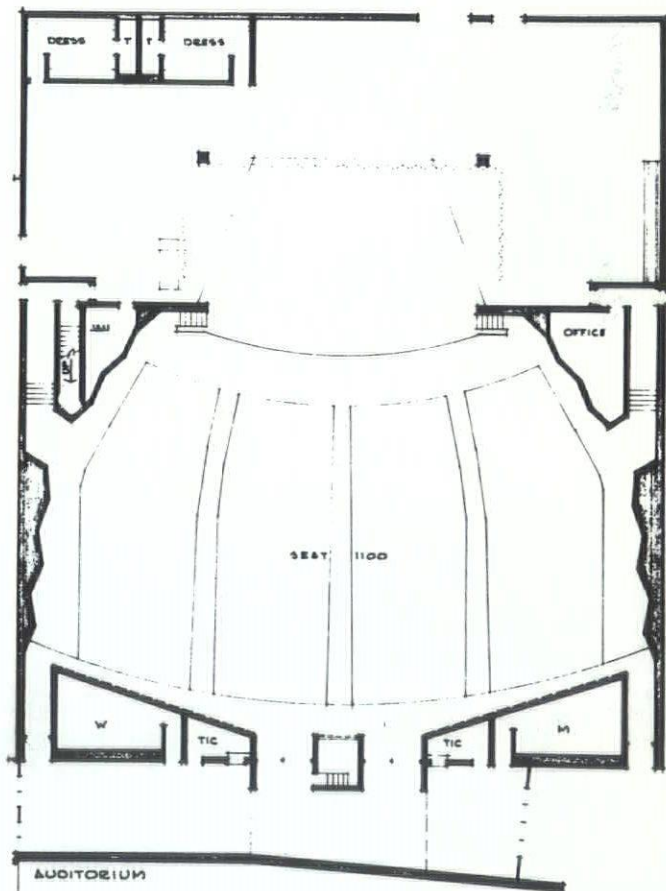
SIZE: For concert dance, 300 to 1200 seats. Larger for musical comedies and spectacles.

STAGE: Hardwood floor, preferably maple or oak, finely sanded, unvarnished, unwaxed. Construction similar to good gymnasium floor. Not parquet. Not too light or bright in tone. No trap doors. Ramps, boxes and steps—desirable for certain dance productions—should be removable, with a place provided to store them. (Note: A concrete floor lacks resilience and can injure back and thigh muscles.)

STAGE DIMENSIONS: Minimum size 25x40 feet. Other suitable sizes 30x50 or 35x45. A larger stage requires draperies for reducing its size when solo dancers or small groups perform.

SIGHT LINES: Total stage visible from all seats. A sharply raked auditorium preferred, so that audience sees stage floor. Patterns of movement about the stage floor are

an important dimension in today's choreography. For this reason balconies are popular with knowledgeable audiences.



OFF-STAGE SPACE: Spacious right and left wings. Cross-over space behind backdrop. Space for warm-ups and quick changes. Space for a grand piano, scenery, props. Plenty of electric outlets.

CURTAINS: Both a cyclorama and curtains are desir-

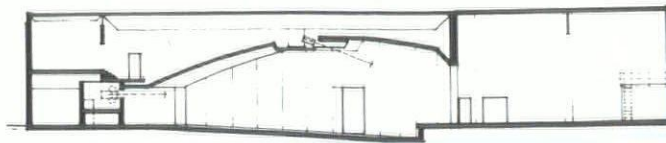
able. Curtains in soft or neutral color and light-absorbing texture. No sheen or metallic threads. A center back opening desirable. Side legs—at least two—useful for exits and entrances. Curtains should reach the floor. For the front curtain, a side-pull is desirable; manual operation is considered more flexible than automatic operation.

LIGHTING: Side lighting, strip spots in front, and borders that can be gelled—on separate dimmers. Pre-set lighting systems are impractical for touring companies. If stage has an apron, it should be lightable from the auditorium. The majority of dancers specify "no footlights."

DRESSING ROOMS: A minimum of two, close to the stage and on the same level with the stage. Capacity: 10-20 persons in a room about 15x20 feet. Wood floor. Facilities: heat, ventilation, general lighting, make-up lighting over mirrors, shelves or tables, chairs, rods with removable hangers for costumes, plenty of electric outlets, toilets, hot and cold water, showers.

SOUND AND COMMUNICATIONS: Good loud speaker system. Provisions for sound effects and use of recordings. Intercom system so that progress of performance can be heard in dressing rooms. Telephone from lightboard to front office or to an outside extension for emergencies.

OTHER CONSIDERATIONS: Proscenium stage generally preferred to open stage. No permanent decor built into stage area. Passage from stage to auditorium without having to go outside. Facilities backstage for bringing in scenery and props by truck.

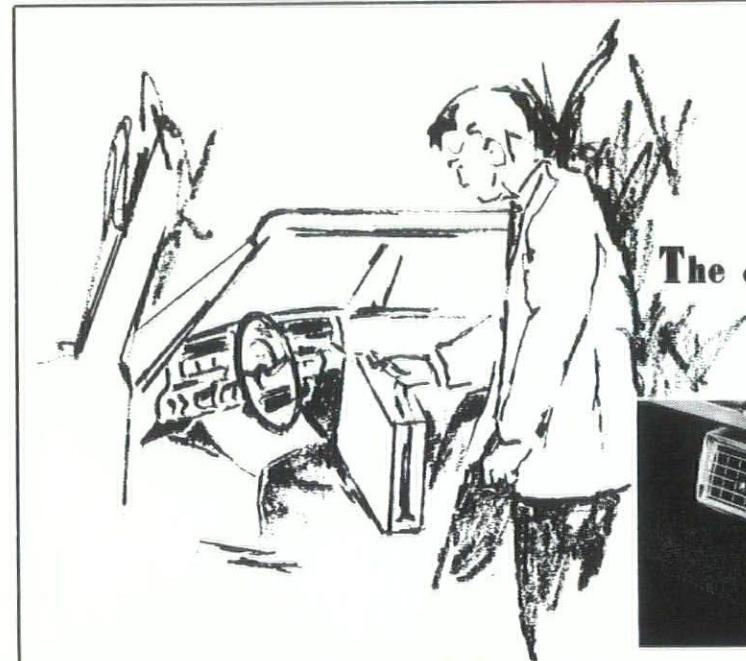


The auditorium shown, extends its flexibility to include dance requirements. Planned for a variety of performing situations, it offers the best conditions for each.

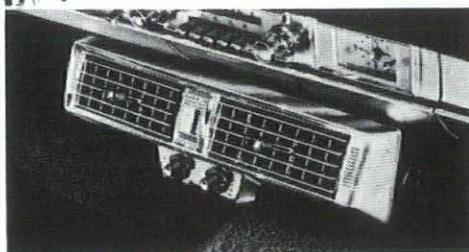
The 1100-seat auditorium has a resilient hardwood stage measuring 40x52 feet, apron included. Absence of a back wall means unlimited scope for entrances and exits. Wrapped around the stage is a backstage area of 6000 to 7000 square feet. Dressing rooms with toilets are adjacent.

Building and dancing are said to be the primary and essential arts, and any architect who recognizes this fact deserves to have his name in the program along with the premiere danseuse.

(Note: The Dance Committee, Michigan Council for the Arts, consists of Ruth Murray, Wayne State University, chairman; Virginia Austin, Adrian College; Harriet Berg, Wayne State University; Lilian Jackson Braun, Detroit Free Press; Vera Embree, Central High School; Marjorie Hassard, Detroit City Ballet; William Hug, National Arts Academy, Interlochen; Blanche Packer, Albion and Hillsdale Colleges; Esther Pease, University of Michigan; Mrs. Arthur E. Price, Jackson; Mrs. Walter Reuther, Rochester.)



The discriminating Professional Man
selects a **MARK IV Monitor**



The man who lives with quality selects for his car an air conditioner that gives him the ultimate in year-round comfortable driving—the Mark IV Monitor. This sleek, custom-installed unit offers engineering refinements never thought possible in an automotive air conditioner.



WHITE Automotive Service
COOLING SYSTEM SPECIALISTS

7025 W. Vernor Hwy. Detroit 9, Mich. VI 2-6888
360 S. Woodward Ave. Birmingham, Mich. MI 7-2510

A new coil arrangement and Freon-routing system permit for colder temperatures. New lattice-work louvers quickly circulate refreshing air throughout the car. Technical advancements of this kind explain why Mark IV is the most preferred of all custom-installed automotive air conditioning units in the U.S. Arrange now to take a demonstration drive. Experience for yourself the cool, quiet ride that Mark IV delivers.

What could be more convincing?

Menk Elected Kahn Director

Louis Menk, A.I.A., has been elected to the seven-man Board of Directors of Albert Kahn Associated Architects and Engineers, it is announced by Sol King, president. Mr. Menk was elected by the AKA stockholders at their recent annual meeting. Following this action the Board named Charles J. Allen, P.E., a vice president.



Louis Menk, AIA

Officers re-elected by the Board for the ensuing year are: Sol King, president; Sheldon Marston, executive vice president; Paul G. Fleck, John C. Haro, Virgil C. Wagner, and Geoffrey S. Whittaker, vice presidents; and Daniel H. Shahan, secretary. Louis Menk will continue as treasurer, the post to which he was elected in 1962. Incumbent directors re-elected by the stockholders are Messrs. King, Marston, Allen, Fleck, Shahan, and Wagner.

Mr. Menk is a graduate of New York University's School of Architecture where he was a member of the faculty for 14 years as Assistant Professor of Architecture and Assistant Dean. He joined the Kahn organization in 1942 and has been an associate in the firm since 1948. In 1961 he was elected corporate secretary and one year later was made treasurer, his present post. Mr. Menk is a recognized authority on the administration of construction contracts and is a prominent writer and speaker on the subject. He holds Certificate of the National Council of Architectural Registration Boards, is a member of the American Institute

of Architects (Detroit Chapter), the Michigan Society of Architects, and the Michigan Association of the Professions.

Wood Elected M.S.P.E. Vice President

Benson J. Wood, P.E., Vice President in charge of Engineering Projects for Harley, Ellington, Cowin and Stirton, Inc., architects and engineers, has been elected a Vice President of the Michigan Society of Professional Engineers.

A past chairman of the M.S.P.E. Ethics and Practice Review Committee, Wood is a member of the American Society of Civil Engineers, the Engineering Society of Detroit, the American Society of Testing Materials, and the American Concrete Institute. He is a past president of both the A.S.C.E. Michigan Section and the Detroit Chapter of A.S.P.E.

Wood is registered as a professional engineer in Michigan, Ohio, Alabama, Florida and Washington, D.C.

Livingston Speaks At Washington Meeting

James R. Livingston, Vice President in charge of Project Research for Smith, Hinchman and Grylls Associates, Inc., was a principal speaker before facilities engineers and persons in charge of capital improvement programs in the Washington, D. C. area, recently.

The subject of Livingston's address, presented in Wilson Hall at the National Institute of Health, was "Special Problems in Planning Research Laboratories."

Western Michigan Hears Alvin Dahlem

Western Michigan Chapter, AIA, met in Jackson, Tuesday, May 26th in Bill Cones Restaurant, 2500 East Michigan Avenue with a social hour at 6:00 p. m. and dinner at 7:00 p. m.

The one speaker was Alvin G. Dahlem, former City Attorney for the City of Jackson. Mr. Dahlem spoke on professional liability with respect to the law and the respective professions. The talk dealt with "Recent Trends in Professional Liability." Mr. Dahlem is currently practicing in this field and has first hand knowledge with which to answer specific questions.

The talk was of interest and use to all practicing architects.

Harry King Speaks At C.I.B. Meeting

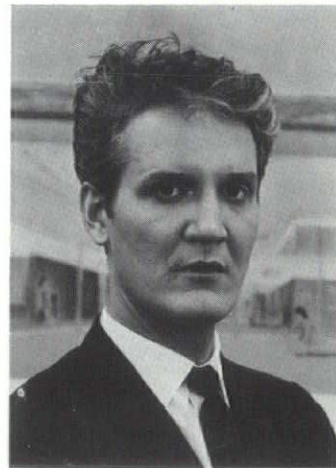
The Concrete Improvement Board-Detroit heard Harry King, president of King and Lewis Architects Inc., at its regular meeting Thursday, May 28 at Larco's Restaurant.

Mr. King spoke on the subject "Architects and Contractors: Their Roles in Structural Concrete Projects".

The King and Lewis firm's most recent projects in the southeast Michigan area include Detroit's Pontchartrain Hotel, now under construction, Dearborn Towers, Huron Towers in Ann Arbor and Nelson Tower in Jackson.

U. of D. Announces School of Architecture

The University of Detroit has announced extensive reshaping of its engineering program, following an intensive three-year study and evaluation. Developments revealed by the Very Rev. Laurence V. Britt, S. J., U. of D. president, included:



Bruno Leon, AIA

1. Establishment in September, 1964 of a separate School of Architecture with Prof. Bruno Leon, chairman of the present architecture department, as its dean;

2. Revision of all College curricula into a "common core" curriculum structure with a decrease in the number of specialized courses peculiar to individual departments of civil, mechanical, electrical etc. engineering.

3. The expenditure of more than \$2,000,000.00 for buildings, additional

M. Den Braven

■ **Our 52nd Anniversary** ■

— **SHEET METAL** —

— **VENTILATING** —

— **AIR CONDITIONING** —

●
9080 Alpine Avenue
Detroit 4, Michigan
WE 3-7494-5-6

Turner Engineering Company

**DEPENDABLE
ELECTRICAL
CONSTRUCTION
FOR 47 YEARS**

●
464 Brainard Street
DETROIT 1, MICHIGAN
TEmpLe 1-0470

faculty and laboratory equipment in these areas.

4. Phasing out of the curriculum in aeronautical engineering by June, 1965.

5. Conversion to a tri-mester program in September, 1965.

Said Fr. Britt, in announcing the new School of Architecture: "Growing awareness of the divergent paths taken by engineering and architectural education, supported by careful studies of the University's present and prospective resources for expanding community and educational service, and supplemented by reports submitted by special national and local architectural advisory committees, has resulted in the Trustees' decision to establish a separate School of Architecture under the direction of Dean Leon.

"Our professional architectural consultants recognize an urgent need for a school of architecture and design in this metropolitan area and assure us that, because of Detroit's acknowledged preeminence in this field, the University of Detroit has a unique opportunity to create a school that will be the equal of the best in the country."

Prof. Leon, the new architecture dean, came to U. of D. in 1961 as chairman of the architecture department. He attended U. of D. from 1946 to 1949 when he entered the North Carolina State College of Design, graduating summa cum laude in architecture in 1953.

After a year with the Buckminster Fuller Research Foundation of Raleigh, North Carolina, he joined the staff of I. M. Pei and Associates, New York, and Pietro Bulluschi and Eduard Catalano of Cambridge, Mass. from 1955 to 1959.

From 1956 to 1959 he also taught at the department of architecture of the Massachusetts Institute of Technology, and after that at the University of Illinois. Prof. Leon is a registered architect in Michigan, Massachusetts and North Carolina. He is a Director of the Detroit Chapter, A.I.A.

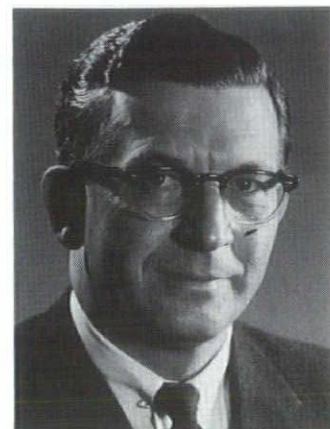
The new School of Architecture, which officially opens September 1, will function on the newly established six-year curriculum. The 1962 Class was the last graduating under the old five-year curriculum.

The six-year program includes the first three on a continuous basis, the last three on the classroom-professional training alternating period plan.

"We expanded the program an additional year," Prof. Leon said, "so that we could provide the many courses necessary to prepare the architect for this social art: sociology, psychology, the history of western civilization,

theories of city planning and landscape architecture, and so on."

Prof. Leon said that the School's basic concept of an architect is that of an individual with interests that encompass the entire range of significant activities related to the human condition.



Sol King, AIA

King Elected to ESD Board

Sol King, President and Director of Architecture of Albert Kahn Associated Architects and Engineers, has been elected to the Board of Directors of the Engineering Society of Detroit, effective July 1, 1964. Mr. King has been a member of ESD since shortly after he was elevated to the presidency of Albert Kahn Associates in 1958.

Long active in professional affairs, Mr. King is currently a member of the Board of Directors and vice president of the Detroit Chapter of the American Institute of Architects. He also is serving on the National A.I.A. Committee on Industrial Architecture and the Graduate Scholarship Committee of the University of Michigan's College of Architecture and Design.

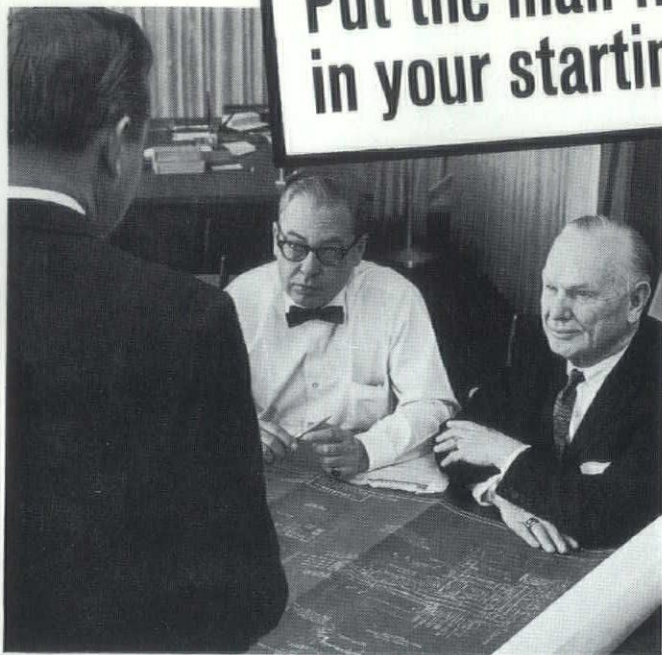
Grand Valley Chapter A.I.A. Head Executive Committee Meeting

The Executive Committee of the Grand Valley Chapter, A.I.A. met at Green Ridge Country Club, Grand Rapids on May 12th, prior to the Chapter meeting. Present were President DeVries, Treasurer Vander Meiden and Secretary Stroop. The Secretary recorded the following actions:

(1.) The Committee completed signing of incorporation papers, correcting the form so that it could be returned and filed with the Michigan Corporation and Securities Commission.

(2.) The application of Gordon Beutendrop as an Associate Member

**Put the man from BARCOL
in your starting lineup!**



**HE WILL PREVENT COSTLY DOOR PROBLEMS
FOR YOU . . . SAVE MONEY FOR YOUR CLIENT!**

Your Barcol dealer will work directly with you, or as your representative to your client — to help analyze and establish the performance requirements of overhead-type door equipment *at the preliminary planning stage.*

Consider him a member of your staging team.

Using the exclusive Door System Analysis Planning Guide, the man from Barcol will *analyze client requirements; identify the penalties of inadequate, inferior-quality doors; justify initial cost of door equipment and determine a firm, accurate budget figure (with alternate choices, if required.)*

Get to know the man from Barcol, he'll help you solve client door problems **BEFORE THEY HAPPEN!**

There's a BARCOL man near you...

Detroit

Barcol Overdoors of Detroit

26328 Fordson Highway
Phone: 313-532-4300

Flint

Custom Construction Spec. Inc.

623 W. 2nd Street
Phone: 313-232-7186

Kalamazoo

Barcol Overdoors of Kalamazoo

424 E. Michigan Avenue
Phone: 616-342-2307

Lansing

R. L. Rider Company

212 Mill Street
Phone: 517-487-3713

Saginaw

Delta Door Sales

2604 Weiss Street
Phone: 517-793-2942



BARCOL

BARCOL OVERDOOR COMPANY

SHEFFIELD, ILLINOIS

Subsidiary Barber-Colman Company, Rockford, Illinois

SMEAD

INDUSTRY PROMOTION FUND

SHEET
METAL
EMPLOYERS
ASSOCIATION
OF DETROIT

ANTHONY ASHER
Exec. Secretary

15139 W. Eight Mile Rd.
Detroit 35, Mich.
864-6833

Ray T. Lyons Co.

"Since 1930"

Quarry Agents

Toilet and Bath
Specialties

RALPH CALDER ASSOC.
PROJECTS:

Buckingham, Virginia
Slate Panels

McGraw School
Detroit

Toilet Room
Accessories

Chemistry Building
Michigan State University

15115 Charlevoix Ave.
Grosse Pointe 30, Mich.
VA 1-7822

was accepted, will be introduced to the Chapter members at one of the next meetings.

(3.) The Secretary announced receipt of Corporate membership for George Baumgarten, who also will be introduced to the Chapter at one of the next meetings.

Following the meeting of the Executive Committee, the members joined the Chapter in a tour of the F. A. Sedlecky Precast Concrete Plant and returned to Green Ridge for cocktails, dinner and an interesting presentation by Dick Sedlecky and the Concrete Institute.

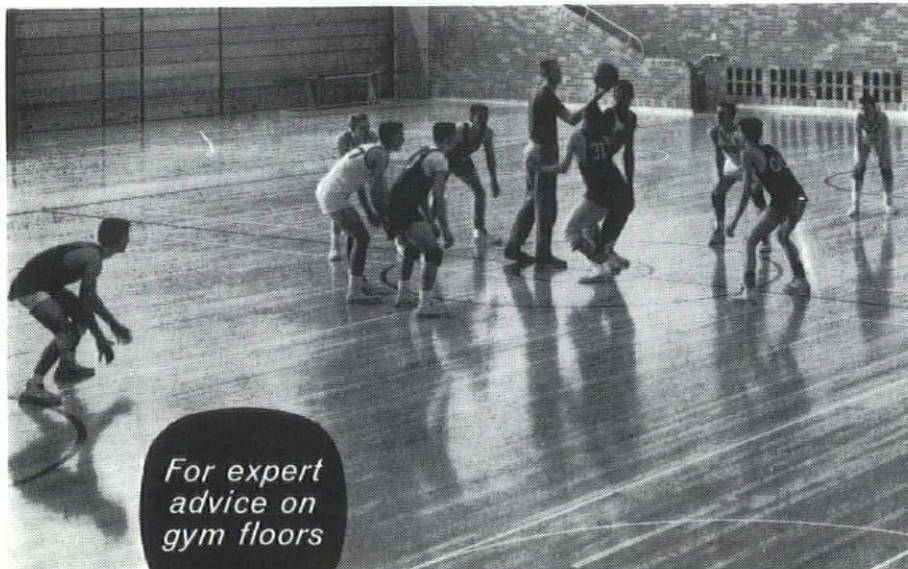
Moors, Inc. Expands Michigan Sales Force

William Moors, Inc., Michigan manufacturer of the Doxplank Floor and Roof System, stated that the J. M. Power Company has been selected to act as sales representative and technical advisor in the Wayne, Oakland, Washtenaw, Jackson and Lenawee county areas. The Power organization is headed by James Power, a native of Ann Arbor and a graduate of the University of Michigan.

Another graduate of the University of Michigan, who has recently joined this sales organization, is Mel Peden, who has over ten years experience representing precast concrete framing systems. Peden is a graduate engineer and is a former representative of Price Brothers Company. Other sales engineers on the staff of the J. M. Power Company, who will be representing William Moors, Inc., include John Pappas, a graduate of Wayne State University, and Carl Smith. Both of these men are native Detroiters who have been active for many years in construction material sales.

In addition to the increase in its sales force, the William Moors Company has expanded its manufacturing facilities almost two fold to maintain prompt delivery schedules. The Doxplank floor and roof framing system has been in use throughout Michigan and the midwest for more than twenty-five years.

LET US HELP YOU CHOOSE THE
BEST **ROBBINS** FLOOR FOR THE JOB



For expert
advice on
gym floors

CALL ON BAUER-FOSTER FLOORS, INC.

10401 LYNDON AVENUE—DETROIT, MICHIGAN—933-3623 (A.C. 313)

Franchised installers of

Robbins Northern Hard Maple Floors

Also applicators of Dex-O-Tex Troweled Floors



l. to r. Pappas, Smith, Peden, Power

Birkerts Announces Move and Associates

Gunnar Birkerts and Associates Architects, formerly at 287 East Maple Road, Birmingham, Michigan, have relocated their offices to 1300 North Woodward, Birmingham, Tel. 664-0604, and are pleased to announce the appointments of Harold F. VanDine, Jr. AIA-Associate, Design and Richard J. Pavicek, Associate, Production.

Pavicek, a native of St. Paul, Minnesota, studied at the St. Paul School of Art, St. Paul, Minn., New Bauhaus, Chicago—1937-38 and received a B.S. in architecture from Illinois Institute of Technology. He is registered in Illinois and Michigan.

Van Dine who was born in New Haven, Connecticut, received his B. Arts and B. Arch. degrees at Yale. He was awarded the School Medal of the American Institute of Architects and the William Wirt Winchester Traveling Fellowship.

Bruce A. Fox Joins Detroit A.G.C. Staff

Detroit Chapter, Inc., Associated General Contractors of America has announced the addition of Bruce A. Fox to the Chapter staff, effective April 1. He will assist both the Secretary and the Manager of Labor Relations in carrying out their functions.

Bruce will need time to become oriented in his new job and the patience and understanding of the membership during this period will be appreciated.

Fox graduated from M.S.U. in 1955 with a B.S. degree in civil engineering. He has taken night school courses in accounting and law, and hopes to finish his law training. His experience includes employment with contractors, and Leonard Refineries as sales representative in their asphalt paving division. He holds memberships in American Society of Civil Engineers and Michigan Engineering Society.

American Academy Show to Run Through Summer

The exhibition of the American Academy and the National Institute of Arts and Letters opened Thursday, May 21st, at the Academy Art Gallery, Audubon Terrace, Broadway between 155th and 156th Streets. It will run through August 30th, to accommodate visitors to the World's Fair, from 1 to 5 p.m., daily except Mondays and the Fourth of July.

As in previous years, the exhibition will contain works by newly elected members of the Institute and by recipients of awards and honors. Newly elected members represented in the show include architects Louis I. Kahn and Richard J. Neutra. Photographs of buildings designed by Harry

Weese, awarded the \$1,000.00 Brunner Prize in Architecture, will be on view. Of the architects included in the exhibition, Kahn and Neutra have helped make American design known and admired all over the world, while Harry Weese is coming into prominence as one of those who have contributed to architecture as an art.



Corriveau Heads Beach Mfg.'s Detroit Office

Beach Manufacturing Company, Charlotte, Michigan which opened a sales and engineering office at 18240 West Six Mile Road, Detroit, has appointed Peter G. Corriveau, chief engineer and head of Customer Service in the Detroit area, according to Hilding H. Krusell, President and General Manager of the Beach Manufacturing Company. Beach, one of Charlotte's oldest firms, has been fabricating corrugated metal culverts and blades for motorgraders, bulldozers and snow plows since 1890. Now Beach will enter the miscellaneous iron and light structural steel fabrication market with the opening of a Detroit office.

As Detroit area representative for Beach, Corriveau will offer engineering and installation advise on all Beach fabricated metal products. Telephone number of the new Beach Detroit office is 537-4045.

Edmund R. Purves, FAIA

Edmund R. Purves, former Executive Director of the A.I.A., died April 7th at Washington Hospital Center, Washington, D.C. after an illness of several months. He was 66 years old.

Mr. Purves devoted the better part of his life to The American Institute of Architects. An AIA member since 1930, he joined AIA's national headquarters staff at the Octagon House in Washington in 1941 as Washington representative. He served as AIA's Executive Director from 1949 to 1960, remaining as Consulting Director for a further year. He was an Associate of the firm of Chatelain, Gauger & Nolan, architects and engineers, Washington, D.C., from 1961 until his death.



No Detail Contributes More to the Quality of a Home Than Quality Windows

As important as the satisfaction and pride your client takes in the residence you design and engineer for him, is the impression conveyed to others. Andersen Windows not only have built-in style, but they have built-in performance. Don't invite trouble. Be definite in your specification of Andersen's by name.

A complete line of Andersen windows is on display at our showroom. You are welcome to bring your clients. Nothing is sold here.



KIMBALL & RUSSELL INC.
WHOLESALE SASH AND DOOR DISTRIBUTORS
2127 FENKELL AVE. DETROIT 38, MICH. UN. 1-3480

Of the customers we serve:
9 out of 10 own Gas water heaters.
7 out of 10 own Gas ranges.
7 out of 10 dryers are Gas.
Gas heats 80% of the homes.

People...and houses...are sold on Gas.

BE MODERN...FOR LESS...WITH GAS

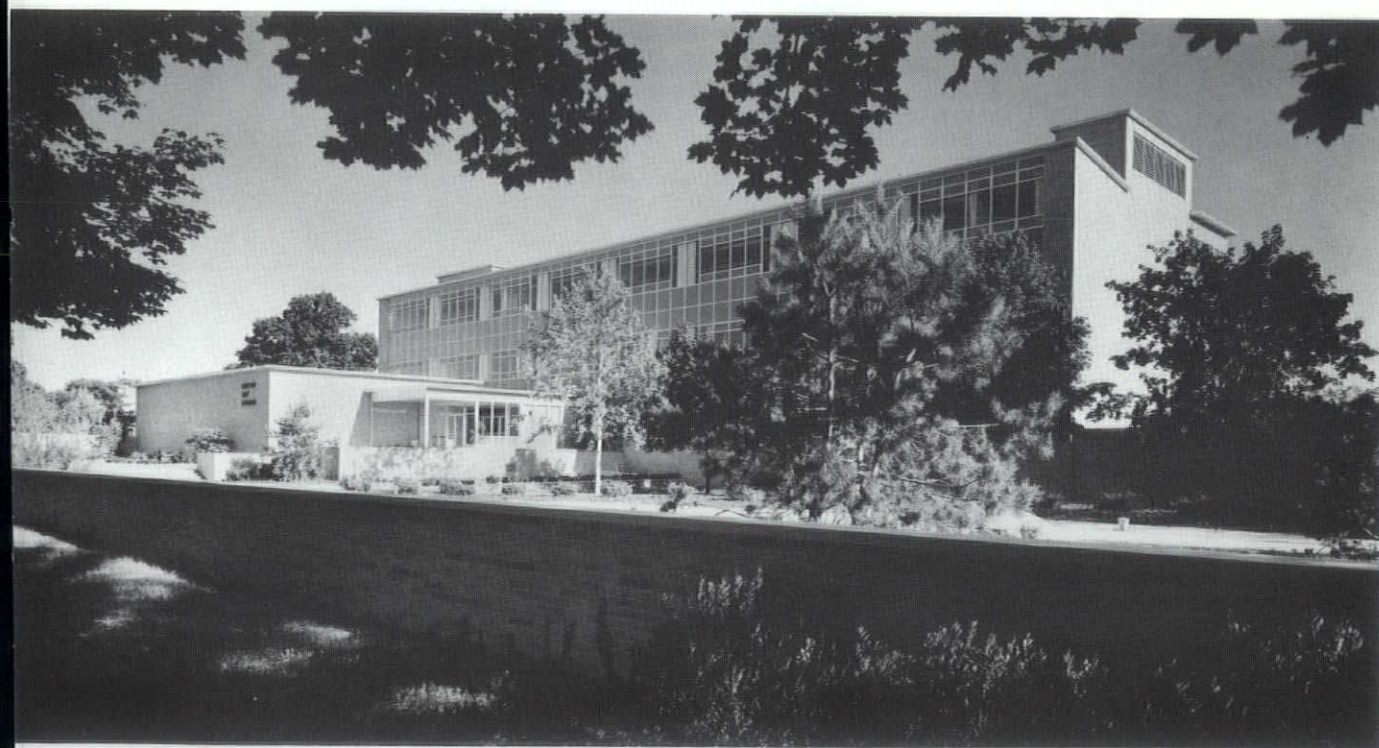
MICHIGAN CONSOLIDATED GAS COMPANY 



Standing left to right: Jack Mills, Al W. Luckham, and Leo I. Perry. Seated left to right: Dennis Anderson, Lyall Askew, Ralph R. Calder, Hideo Fujii, and Harold Bard.

recent work by Ralph R. Calder and Associates

Architects



Kresge art center

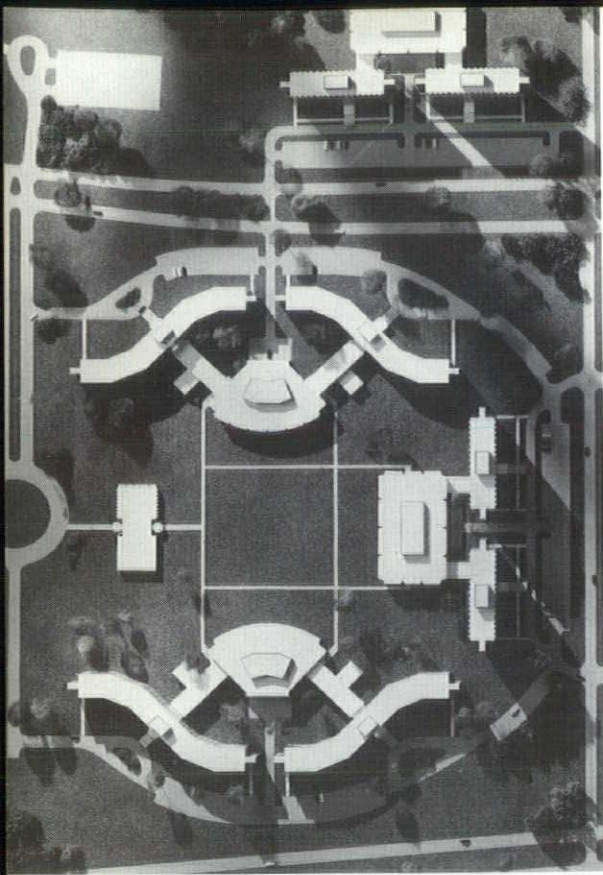
MICHIGAN STATE UNIVERSITY
EAST LANSING, MICHIGAN

Completed in Fall of 1958, contains teaching studios for all types of art, office studios for faculty and an art library. Wing in front is the gallery.

Cost \$1,480,000.00.

east campus dormitories and library

A SELF CONTAINED COLLEGE
MICHIGAN STATE UNIVERSITY
EAST LANSING, MICHIGAN

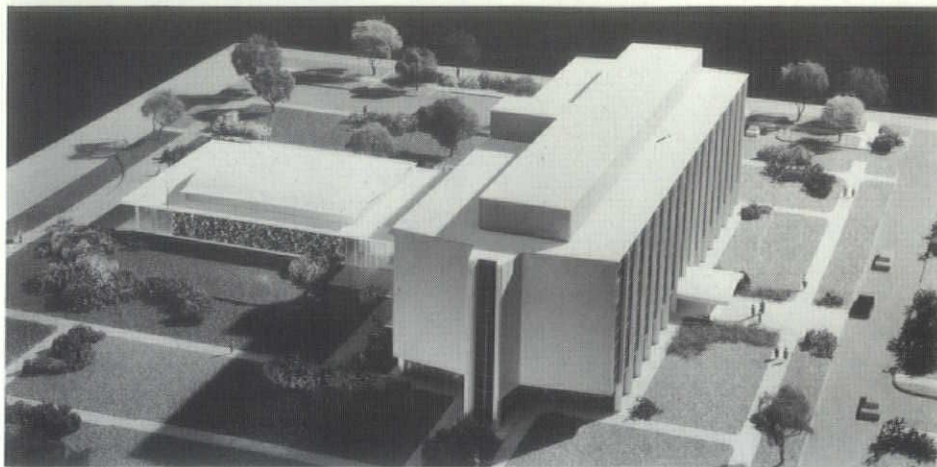


Serpentine structures are 6-story dormitories. Fan-shaped buildings contain classrooms, lecture halls, offices, lounges, snack bars, and dining areas. The building on the left is a library and auditorium. Occupation by 2,250 students was scheduled for fall of 1964. A contract for \$10,200,000.00 (\$13.18 per square foot) was awarded and construction started in June 1963 for these units. Cost of entire complex shown in model will be more than \$20,000,000.00.

The high-rise buildings at the right are 12-story dormitories of similar capacity with classrooms and dining facilities attached, scheduled for construction in 1964-1965.



chemistry building



**MICHIGAN STATE UNIVERSITY
EAST LANSING, MICHIGAN**

Contains over 100 laboratories in addition to classrooms, offices and lecture halls, completely air-conditioned.

Contracts awarded and construction started in January 1963. Completion August 1964.

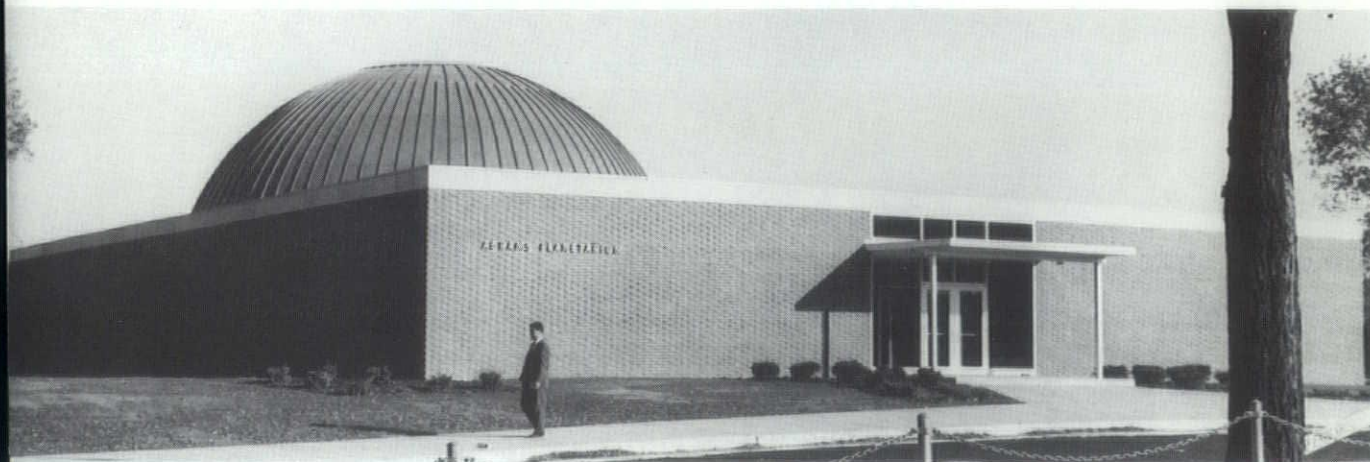
Cost including laboratory equipment \$5,570,000.00 (\$20.32 per square foot).

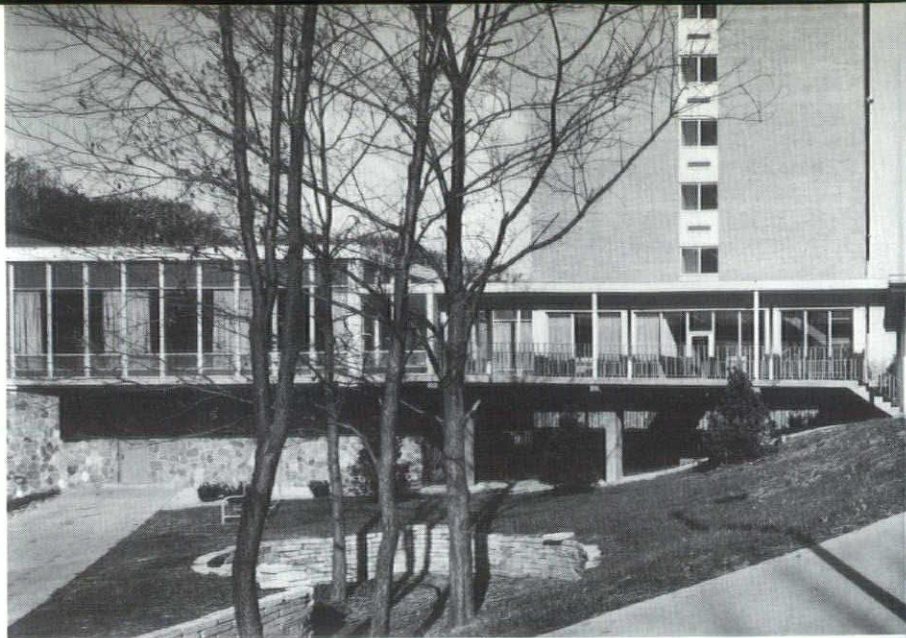
abrams planetarium

**MICHIGAN STATE UNIVERSITY
EAST LANSING, MICHIGAN**



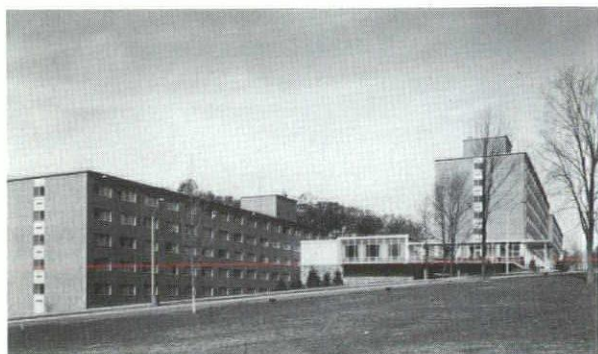
Dedicated in February 1964, this most advanced Inter Space Planetarium features a black light promenade around the circular projection center and seats 261 persons at a showing. The construction cost was \$298,000.00.





north valley dormitories

**WESTERN MICHIGAN UNIVERSITY
KALAMAZOO, MICHIGAN**



Constructed in 1962 on a new section of the campus. Houses 1,088 students with central dining rooms and kitchen, snack bar, lounge, recreation areas, and four resident advisor suites. Building cost \$4,165,000.00 including site and sewer work (\$13.45 per square foot).

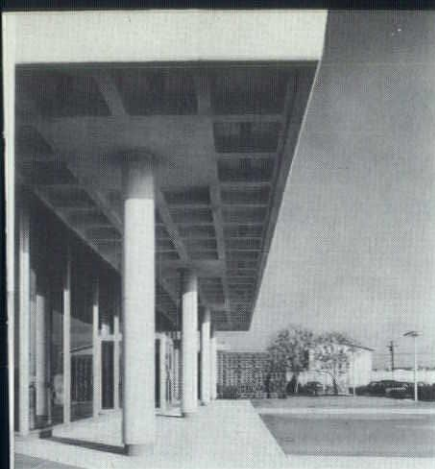
A similar unit was started in 1963 on an adjacent site at a cost of \$13.09 per square foot.

owen hall for graduate students

**MICHIGAN STATE UNIVERSITY
EAST LANSING, MICHIGAN**

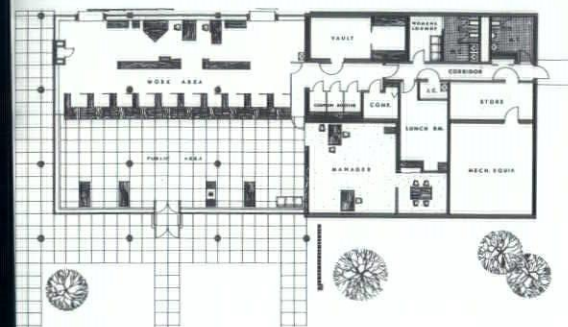


Completed in fall of 1960. Private rooms with semi-private baths in wings. Center section includes Resident Advisor suite, lounges, kitchen, cafeteria and dining room. Cost \$2,360,000.00 (\$14.60 per square foot).

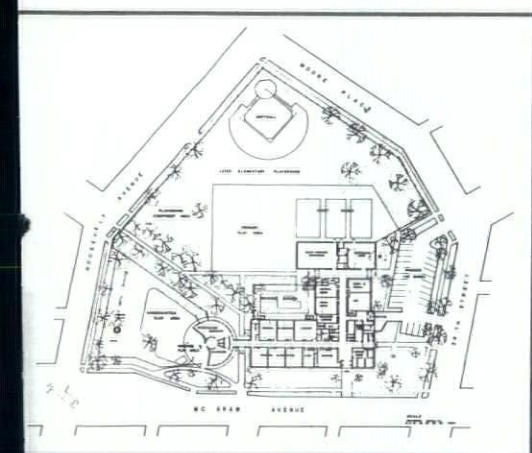


detroit bank and trust

GREENFIELD-TEN MILE BRANCH



Completely air-conditioned—opened in October 1963. Cost \$27.60 per square foot.



This site was cleared of many small buildings and portions of three streets and service alleys. A number of fine trees remain, along with a network of underground services. An effort was made to preserve as many of the trees as possible to set off various parts of the school grounds. Underground lines were avoided by the construction.

The Performing Arts room and Multi-purpose Gymnasium are isolated from the quieter study areas and with their own entrances are easily accessible from all directions and the parking for late afternoon or evening use by the community. Toilet facilities, lockers and a kitchen are located here permitting the balance of the school to be closed completely. The Kindergarten wing is also separated from the main unit. The small children have their own entrance and fenced play area, some of which is covered for use in bad weather.

Basic elements are located to minimize cross traffic in corridors and keep all units close to the central office which is adjacent to the main entrance and the parking lot.

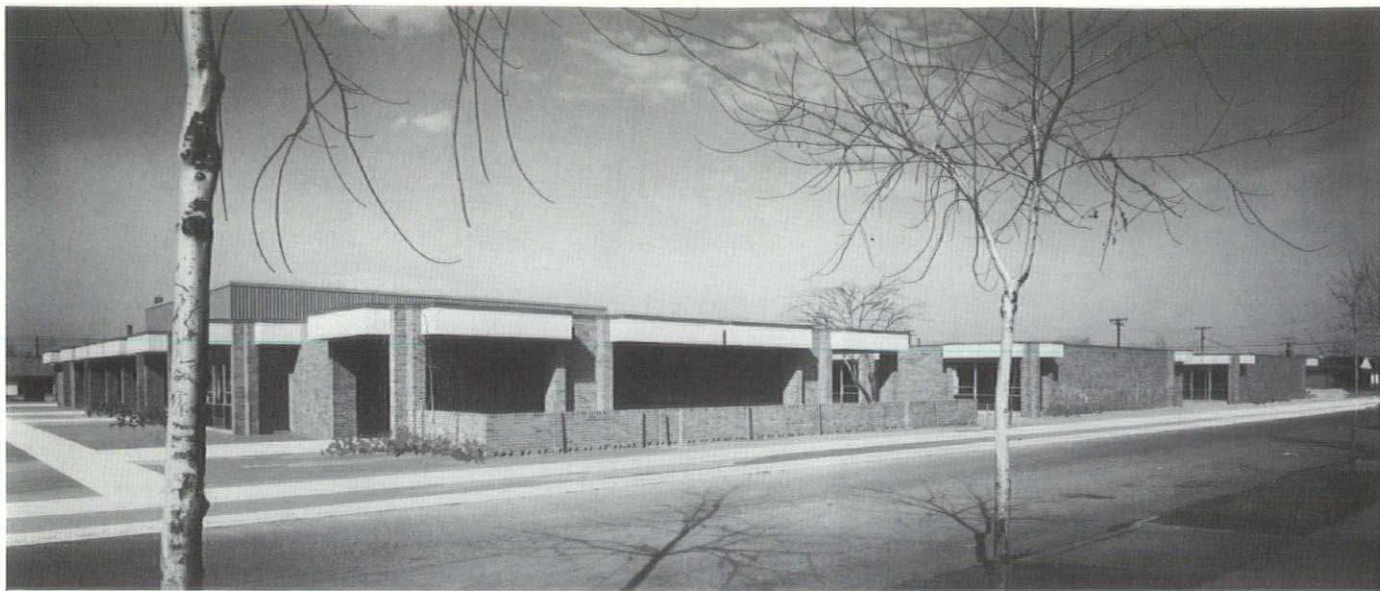
Completely automatic electric heat includes individual temperature control and filtered air in all classrooms.

Completed in the summer of 1963, the cost was \$13.61 per square foot and only \$575.00 per pupil station.

McGraw Hill Elementary School

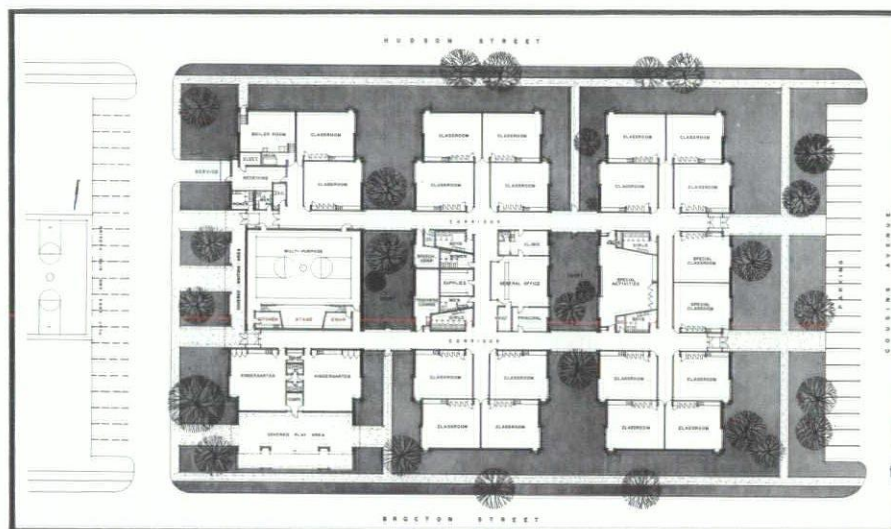
BOARD OF EDUCATION
DETROIT, MICHIGAN





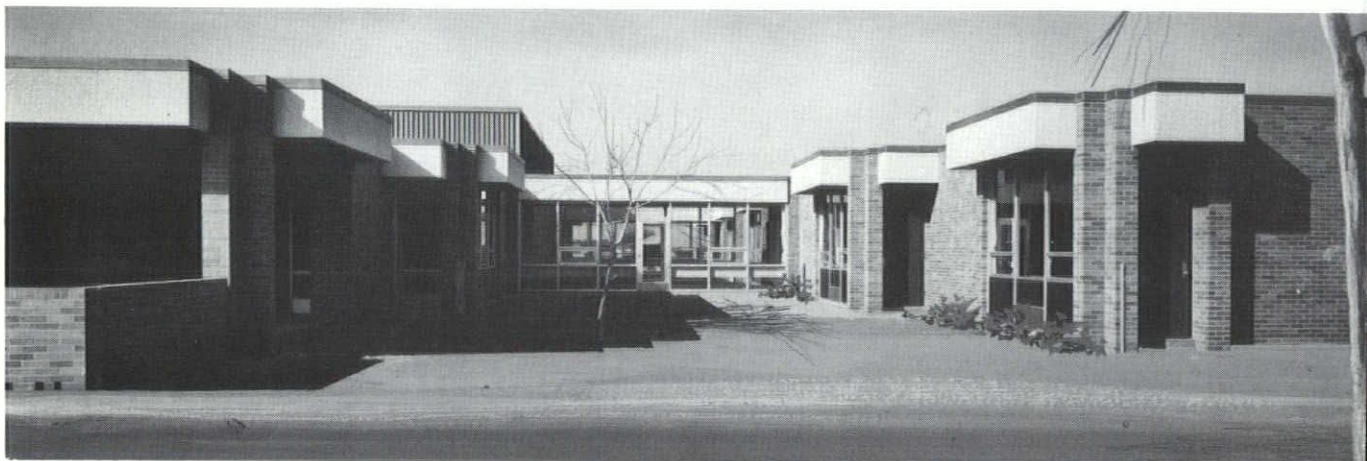
halfman elementary school

MADISON PUBLIC SCHOOLS
MADISON HEIGHTS, MICHIGAN



Completed in the Spring 1964. Designed for a long narrow site in a one story residential neighborhood. Flexibility of use, and interesting plan details on both the interior and exterior are featured.

Cost \$556,000.00 (\$13.55 per square foot) including built-in wardrobes and equipment.



J. C. NIELSEN COMPANY

GENERAL CONTRACTORS

FOR

Halfman Elementary
School

RALPH R. CALDER—ARCHITECT

4628 Fernlee
Royal Oak, Michigan
Phone: LI 9-1515

MICHIGAN DRILLING CO.

for

- Complete Laboratory Testing
- Diamond Core Drilling
- Soil Test Borings For Foundation and Other Structures

14555 Wyoming Ave.
Detroit 38, Michigan
WEBster 3-8717

a salute to —
Ralph R. Calder
Architect and
Associates
for outstanding
contributions to
distinguished
architecture

FROM

Sales Representatives and
Distributors of:

- Dow Corning Silicone Rubber Sealant
- Stairbuilders Prefabricated Stair Forms
- Williams Efficiency Water-stops
- Williams Masonry Coping and Panel Seals
- Williams Isolation and Control Gaskets

wesco, inc.

486 W. Eight Mile Road • Hazel Park, Michigan
Telephone: JO 4-6452 & LI 6-2467
Affiliated with Williams Equipment and Supply Co., Inc.

**How to insulate these basic
wall systems for just
10¢ to 21¢ per sq. ft.**

- 1 BRICK AND BLOCK
- 2 BRICK CAVITY
- 3 BLOCK

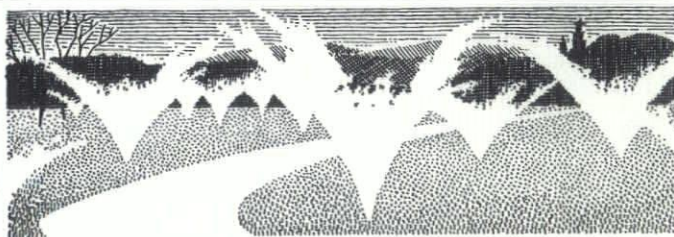
Specify Zonolite* Masonry Fill Insulation to fill concrete block cores or cavities of brick cavity walls. The installed cost runs from a low of approximately 10¢ per sq. ft. of wall to 21¢, depending on block or cavity size.

Zonolite Masonry Fill Insulation cuts heat transmission through the walls up to 50% or more... reduces cost of heating or cooling equipment needed... offers clients more comfort, a more efficient structure for their money. Your Zonolite representative has details.

ZONOLITE
GRACE ZONOLITE DIVISION
W. R. GRACE & CO.
135 SO. LA SALLE ST., CHICAGO, ILL.

ZONOLITE MASONRY FILL INSULATION

* Reg. trade mark of Zonolite Div., W. R. Grace & Co.



SPECIFY A GREEN LAWN...
for your next commission

INCLUDE



Permanently installed Buckner sprinkler systems or hose sprinklers are providing better looking, easier to maintain turf for leading building areas all over the world. In your next commission insist on genuine Buckner sprinklers, key to successful irrigation.

- Plans and specifications available to architects and engineers.



**SPRINKLER IRRIGATION
SUPPLY COMPANY**

1316 N. CAMPBELL RD.

ROYAL OAK, MICHIGAN

"Serving With Integrity Since 1925"

June, 1964 | 17

FOR STRUCTURES
THAT DESERVE THE
VERY BEST . . .



FLOYD W. OWEN GRADUATE CENTER
MICHIGAN STATE UNIVERSITY
RALPH R. CALDER—ARCHITECT

QUALITY CERTIFIED

The manufacturer guarantees by affixing this label that this window or door is a duplicate of samples found by independent test and physical inspection to comply with the specifications of Architectural Aluminum Manufacturers Association.

CODE 23-1



FOUR SEASONS WINDOW CORP.
1561 East 8 Mile Road
Detroit, Michigan 48220.

Phones 542-8300 (area 313) 564-6734

SHAW, WINKLER, INC.

Mechanical Contractors for

PLANETARIUM

and

FLOYD W. OWEN GRADUATE CENTER
Michigan State University

PLUMBING & HEATING

VENTILATING & AIR

CONDITIONING SYSTEMS

Serving The Building

Profession Since 1952

Main Office:

Branch:

14855 Ward Avenue

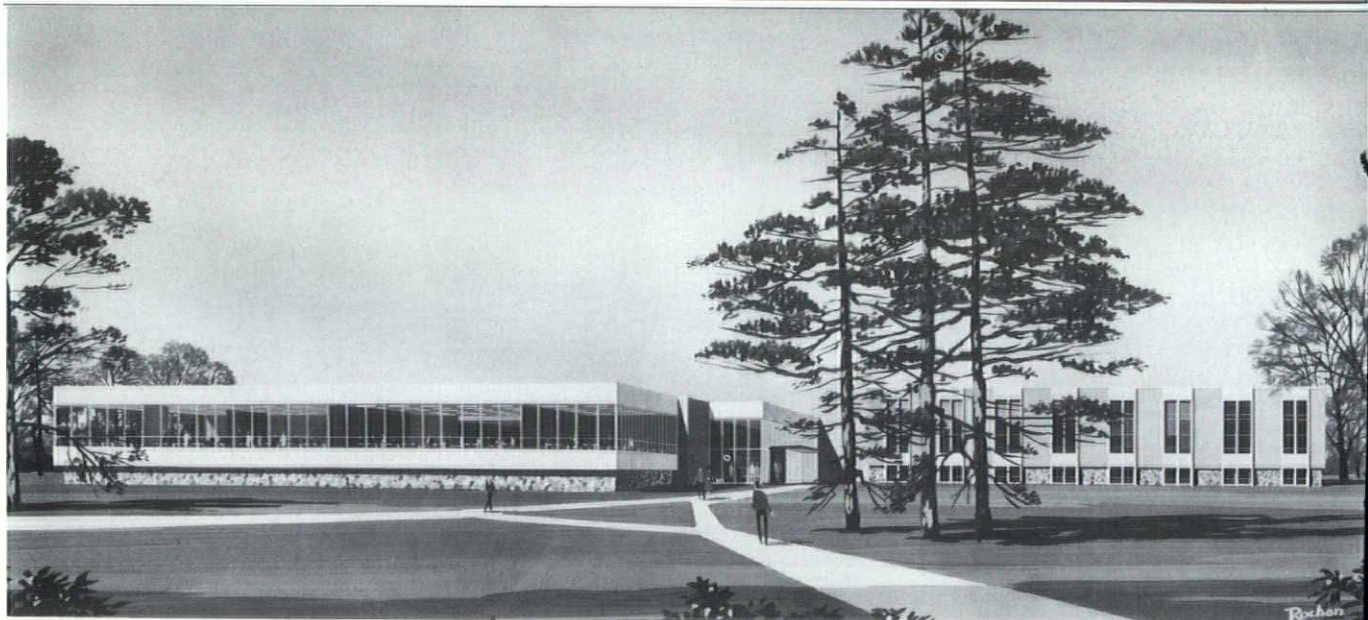
4910 Dawn Avenue

Detroit 27, Michigan

East Lansing, Michigan

VE 8-0500

(517) ED 2-3796



(International Center) Michigan State University
Ralph P. Calder Associates—Architects

MARMET ALUMINUM CURTAIN WALL

D. D. BURFORD AND COMPANY

15351 Kentfield, Detroit 23, Mich.

KEenwood 5-3519



Resilient Floors

Ever-increasing emphasis on appearance and atmosphere in modern commercial and institutional interiors has made it important for architects and other specifying influences to keep up with developments in various interior finish materials.

Since some form of flooring obviously must be used in any new construction, expansion, or remodeling, careful consideration should go into its selection. There are several major types of flooring (wood, marble, terrazzo, resilient) from which to choose, and within each of these types are several sub-divisions.

For instance until a dozen years ago, resilient floors included only linoleum, asphalt tile, cork tile, and rubber tile. Then with the rapid growth and popularity of vinyl-base floors, there suddenly were dozens of floors from which to choose . . . each with its own characteristics. Outstanding qualities of resilient floors include minimum maintenance, durability, quiet, and smart appearance. Each of these is important in the modern building of today.

Since there is no single "perfect floor," the best resilient floor for one area of a building might not be best for another area of the same building. For instance, durability and easy maintenance might be primary considerations in large areas with heavy traffic, but beauty and high style might be most important in private offices.

In the matter of maintenance, today's resilient floors are able to retain their lustre and beauty for years with only occasional attention. They will hold up, even under heavy traffic conditions. Maintenance is an important matter, since the floor is the largest single area in a building which requires regular maintenance.

Sheet vinyl flooring material, a relative newcomer for use in heavy traffic areas, provides an excellent combination of characteristics that are desired in modern commercial and institutional interiors. Sheet goods, which are manufactured in six-foot widths, offer ad-

vantages in cleanliness and simplicity of maintenance. For example, in a 48' x 40' room there are only 300' of seams in a sheet flooring installation, as compared with 7,500' of seams in a standard 9" x 9" tile installation.

Within the last several years a new heavy-duty sheet vinyl plastic flooring has been developed which is ideal for areas where both style and durability are important. This certainly would include heavy traffic areas in modern buildings. Called Tessera Vinyl Corlon, it features tiny square-face vinyl cubes set in a field of clear vinyl. The nubby surface reduces visibility of scuff marks. Among its 18 patterns are several in subdued monochromatic hues.

Since it is made with Hydrocord, a moisture resistant backing, Tessera may be installed in basements and other below-grade areas, as well as on suspended and on-grade floors. Because of the material's flexibility it can be coved up the wall, which simplifies maintenance and improves sanitation.

Another new type of sheet vinyl flooring material, introduced recently



James L. Doyle, Jr. is the Architectural-Builder Consultant for Armstrong Cork Company in the Detroit Area. He is a graduate of Boston College "54" and has been associated with Armstrong for seven years, having been in the Atlanta and New York District Offices.

and recommended for use in commercial and institutional interiors, has a wearing surface composed of random-size, multichrome pebbles that are similar in size and appearance to natural brook stones. Called Montana Vinyl Corlon, it is made in a heavy gauge in 15 natural colorings.

A new heavy gauge sheet vinyl flooring material, called Dorelle Vinyl Corlon, has been developed expressly for commercial and institutional interiors. It features a softly textured, non-directional design preferred by architects for institutional buildings.

Dorelle is manufactured in .090-inch gauge and six-foot sheets so it can be installed virtually without seams. This is an important consideration in many institutional areas where the elimination of dirt catching seams can contribute significantly to maintain strict sanitation requirements. It can also be coved up the walls to eliminate hard-to-clean areas where floors and walls join.

Since Dorelle can be installed for only about \$.70 a square foot, it costs far less than other commercial-weight sheet vinyl floors. Dorelle possesses excellent durability and ease of maintenance characteristics and outstanding resistance to heel indentation, staining and alkali. It can be installed above, on or below grade.

Specific costs of installed resilient flooring will vary in different geographical areas because of variance in local cost of labor and materials. Prices also differ within each type of material, the cost depending on particular designs, textures and gauges.

When it comes to selection of the best flooring material for a specific building, it is best to consult a professional. Architects and other people involved in the specifying of materials for buildings are invited to refer their special problems to the Armstrong Cork Company's Bureau of Interior Design for free individual advice on specification, color schemes, and other matters relating to the installation of resilient floors.

CALENDAR

June

- 2 Grand Valley Chapter—Spring Lake Country Club—Joint meeting with Producers Council—Golf and cruise.
- 2 Mid-Michigan Chapter—Tarpoff's—12:00 M—"Guidelines in Offering Services"—Arthur K. Hyde, FAIA.
- 3 Second Conference on Metropolitan Goals—Cobo Hall—Detroit.
- 14 thru 18—AIA National Convention—Chase Plaza Hotel—St. Louis, Missouri.
- 15 Deadline for Registrations—Fountain Competition—Philadelphia, Penna.
- 15 Flint Area Chapter Meeting, Mr. "C's" Playboy Lounge—6 P.M. Sponsored—Flint Lathing and Plastering Contractors Association.
- 27 MSA Committee Workshop and Board Meeting—Lansing—Holiday Inn—Workshop 9:30 A.M., Board 1:30 P.M.

July

- 1 Mid-Michigan Chapter—Tarpoff's—12:00 M—"New Design Ideas and Delination Techniques"—Gunnar Birkerts, AIA.
- 21 thru 28—27th World Congress for Housing & Planning—Jerusalem, Israel.
- 29 Mid-Michigan Chapter—Tarpoff's—12:00 M—"Interiors, Color, Furniture, Fabrics"—Jim Lucas.

August

- 6 thru 8—MSA Mid-Summer Conference—Grand Hotel, Mackinac Island.

CLASSIFIED

Call N. W. Hamill Co. for hollow metal doors and frames by Atlantic Metal Products as specified in Ralph R. Calder's Michigan State University Projects—Dormitories No. 2 and 3 and Chemistry Building.

ADVERTISERS' INDEX

Barcol Overdoor Co.	7
Bauer Foster Floors	8
Blumcraft of Pittsburgh	4th cover
Burford, D. D. Company	18
Den Braven, M. Co.	6
Detroit Edison Company	2
Evans Brick Company	2nd cover
Four Seasons Window Corp.	18
Hudson, J. L. Co.	3rd cover
Kimball & Russell, Inc.	9
Lyons, Ray T. Co.	8
Michigan Consolidated Gas Company	10
Michigan Drilling Co.	17
Nielsen, J. C. Co.	17
Shaw Winkler, Inc.	18
SMEAD	8
Sprinkler Irrigation & Supply Co.	17
Spitzley Corporation	20
Turner Engineering Company	6
Wesco, Inc.	17
White Automotive Service	4
Zonolite	17

CALL SPITZLEY FIRST



for
Plumbing
Heating
Industrial Piping
Power Piping
Pipe Fabricating
Ventilating
and
Air Conditioning

•
INDUSTRIAL AND
COMMERCIAL SYSTEMS
INSTALLED—REPAIRED
REMODELED



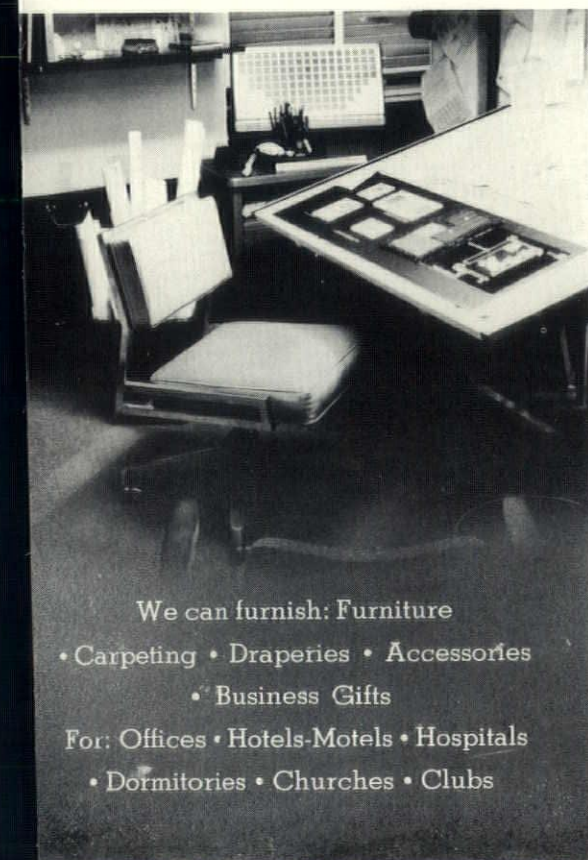
SPITZLEY CORPORATION



1200 W. Fort St., Detroit, Mich. 48226 • 313 961-0840
P.O. Box 1206, Lansing, Mich. 48904 • 517 677-3177

EAST CAMPUS DORMITORIES Nos. 2 AND 3 AND LIBRARY

MICHIGAN STATE UNIVERSITY



Hudson's Contract Division specializes in commercial interior design for business and industry. Our service includes design and specifications plus the selection and placement of furniture, carpeting, draperies and accessories. We'll even assist with major remodeling—working with your own contractor. Visit our new showroom at Hudson's Downtown, 13th Floor, or call us now at Capitol 3-5100.

HUDSON'S CONTRACT DIVISION



We can furnish: Furniture

• Carpeting • Draperies • Accessories

• Business Gifts

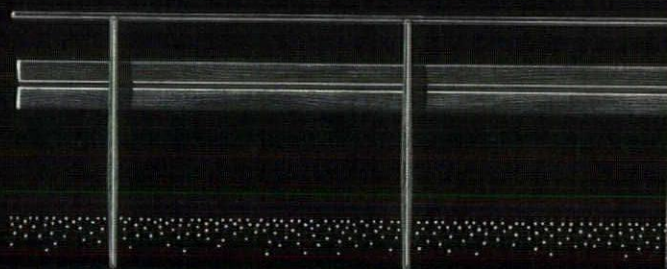
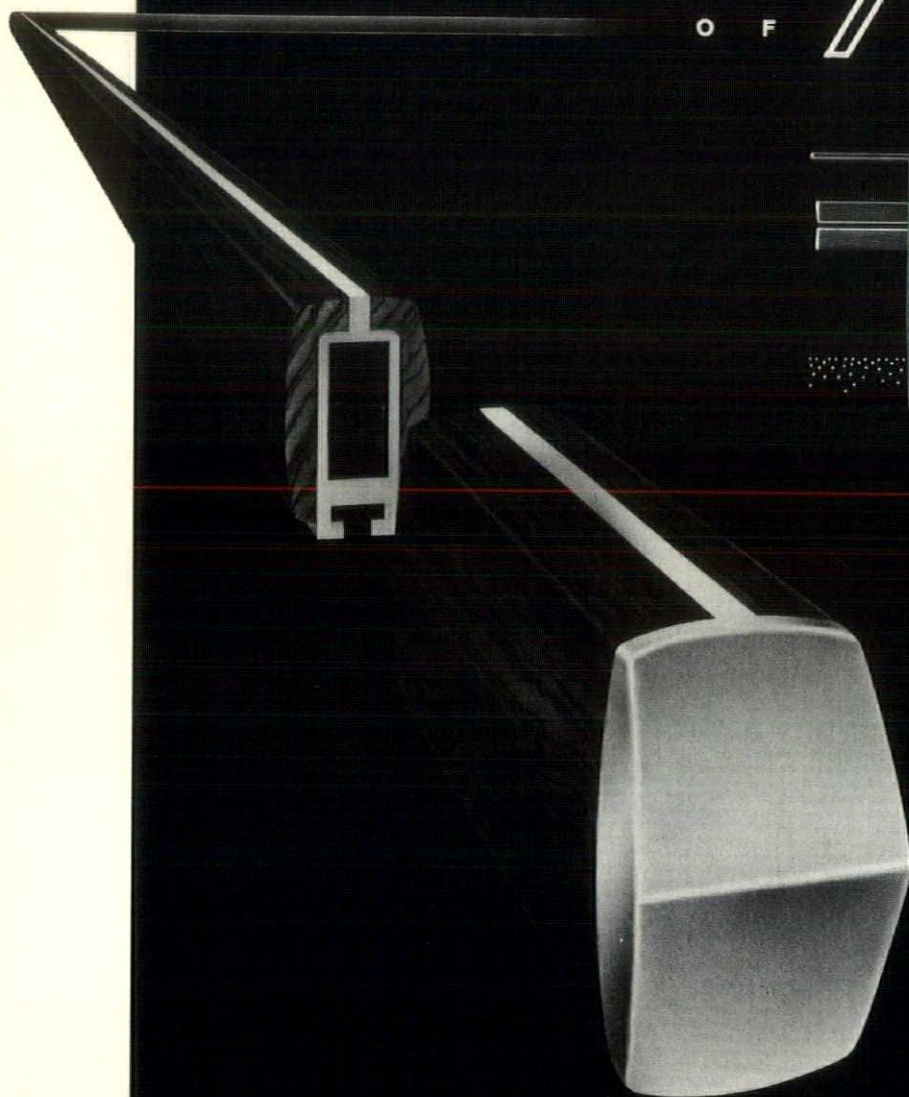
For: Offices • Hotels • Motels • Hospitals

• Dormitories • Churches • Clubs



Blumcraft

O F P I T T S B U R G



NEW WOOD HANDRAILS with an aluminum core substructure are furnished as a complete unit by Blumcraft. The solid walnut wood, with a natural hand-rubbed oil finish, is bonded to the aluminum at Blumcraft's factory. This new railing concept combining wood and metal is trademarked **RAILWOOD***

Complete 1964 catalogue available from Blumcraft of Pittsburgh, 460 Melwood St., Pittsburgh 13, Pa.

*Trademark

© 1964 Blumcraft of Pittsburgh